

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A method of manufacturing a heat exchanger, comprising:

arranging tubes at a predetermined pitch on a set base;

inserting fins into spaces each defined between the tubes;

compressing the tubes and the fins in a direction of arrangement thereof;

mounting hollow headers to longitudinal ends of the tubes, each header having slits engaged with a corresponding end of the tubes, the hollow headers mounting being carried out by pressing the headers against a header positioning member, the hollow headers mounting being carried out by clamping the headers by a header clamping member by holding an outer wall of the headers by a first portion of the header clamping member and an inner wall of the headers by a second portion of the header clamping member, the second portion being inserted into openings of the headers; and

attaching covers to both ends of the headers, each cover closing holes which open at the corresponding end of the headers.

2. Canceled.

3. Canceled.

4. (Currently Amended) The method as claimed in claim 2 1, wherein the spaces are parallel to each other and extend along the length of the tubes.

5. (Currently Amended) A method of manufacturing an incorporated heat exchanger incorporating first and second heat exchangers, comprising:

arranging first tubes for the first heat exchanger at a predetermined pitch on a set base;

arranging second tubes for the second heat exchanger at the same predetermined pitch just above the first tube with a predetermined distance therebetween, ~~the second tubes being longer than the first tubes~~;

inserting fins into first spaces each defined between the first tubes and second spaces each defined between the second tubes, the fins extending over the predetermined distance;

compressing the first and second tubes and the fins in a direction of arrangement thereof;

mounting first hollow headers to longitudinal ends of the first tubes, each header having slits engaged with a corresponding end of the first tubes;

mounting second hollow headers to longitudinal ends of the second tubes, each header having slits engaged with a corresponding end of the second tubes;

the first and second hollow headers mounting being carried out by pressing the headers against a header positioning member, the hollow headers mounting being further carried out by clamping the headers by a header clamping member, the hollow headers mounting being carried out by holding an outer wall of the headers by a first portion of the header clamping member and an inner wall of the headers by a second portion of the header clamping member, the second portion being inserted into openings of the headers; and

attaching covers to both ends of the first and second headers, each cover closing holes which open at the corresponding end of the first and second headers.

6. (Original) The method as claimed in claim 5, wherein the covers are integrally formed with each other.

7. Canceled.

8. Canceled.

9. (Original) The method as claimed in claim 5, wherein the first and second spaces are parallel to each other and extend along the length of the first and second tubes, wherein the first and second spaces are in alignment with each other.

10. (Currently Amended) A method of manufacturing a heat exchanger, comprising:

arranging tubes at a predetermined pitch on a set base;
inserting fins into spaces each defined between the tubes;
compressing the tubes and the fins in a direction of arrangement thereof;
mounting hollow headers to longitudinal ends of the tubes, each header having slits engaged with a corresponding end of the tubes, the mounting step being carried out such that by pressing the headers are pressed against a header positioning member and clamped clamping them by a header clamping member, the mounting step being carried out by holding an outer wall of the headers by a first portion of the header clamping member and an inner wall of the headers by a second portion of the header clamping member, the second portion being inserted into openings of the headers; and

attaching covers to both ends of the headers, each cover closing holes which open at the corresponding end of the headers.

11. Canceled.

12. (Currently Amended) A method of manufacturing an incorporated heat exchanger incorporating first and second heat exchangers, comprising:

arranging first tubes for the first heat exchanger at a predetermined pitch on a set base;

arranging second tubes for the second heat exchanger at the same predetermined pitch just above the first tube with a predetermined distance therebetween, ~~the second tubes being longer than the first tubes~~;

inserting fins into first spaces each defined between the first tubes and second spaces each defined between the second tubes, the fins extending over the predetermined distance;

compressing the first and second tubes and the fins in a direction of arrangement thereof;

mounting first hollow headers to longitudinal ends of the first tubes, each header having slits engaged with a corresponding end of the first tubes;

mounting second hollow headers to longitudinal ends of the second tubes, each header having slits engaged with a corresponding end of the second tubes, ~~the mounting step being carried out by pressing the headers against a header positioning member~~,

the mounting steps being carried out such that by pressing the first and second headers are pressed against a header positioning member and clamped by a header clamping member, the mounting step being carried out by holding an outer wall of the first and second headers by a first portion of the header clamping member and an inner wall of the first and second headers by a second portion of the header clamping member, the second portion being inserted into openings of the first and second headers; and

attaching covers to both ends of the first and second headers, each cover closing holes which open at the corresponding end of the first and second headers.

13. Canceled.

14. (Previously Presented) The method as claimed in claim 1, wherein the hollow header mounting is further carried out by temporarily holding

each header in a corresponding header positioning claw prior to clamping each header in place.

15. (New) The method as claimed in claim 5, wherein the second tubes are longer than the first tubes.

16. (New) The method as claimed in claim 12, wherein the second tubes are longer than the first tubes.

17. (New) A method of manufacturing a heat exchanger, comprising:
arranging a plurality of tubes, wherein each of the plurality of tubes is spaced at a predetermined pitch from an adjacent tube;
inserting fins into the spaces defined between adjacent tubes;
compressing the tubes and the fins in a direction lateral to the longitudinal axes of the tubes and the fins;
mounting hollow headers to longitudinal ends of the tubes, each header having slits for engaging with a corresponding end of the tubes, the mounting step being carried out by pressing the headers against a header positioning and clamping the headers using a header clamping member, wherein a first portion of the header clamping member holds an outer wall of the headers, and a second portion of the header clamping member is inserted into at least one opening in each of the headers; and
attaching covers to both ends of the headers, each cover closing holes at the corresponding end of the headers.

18. (New) A method of manufacturing an incorporated heat exchanger incorporating first and second heat exchangers, comprising:
arranging first tubes for the first heat exchanger at a predetermined pitch;

arranging second tubes for the second heat exchanger at the same predetermined pitch as the first tubes and at a predetermined distance from the first tubes;

inserting fins into first spaces defined between adjacent ones of the first tubes and second spaces defined between adjacent ones of the second tubes, the fins extending over the predetermined distance;

compressing the first and second tubes and the fins in a direction lateral to the longitudinal direction the first and second tubes and the fins;

mounting first hollow headers to longitudinal ends of the first tubes, each first hollow header having slits engaged with a corresponding end of the first tubes;

mounting second hollow headers to longitudinal ends of the second tubes, each second hollow header having slits engaged with a corresponding end of the second tubes;

the first and second hollow headers mounting being carried out by pressing the headers against a header positioning member and clamping the headers using a header clamping member, wherein a first portion of the header clamping member holds an outer wall of the headers, and a second portion of the header clamping member is inserted into at least one opening in each of the headers; and

attaching covers to both ends of the first and second headers, each cover closing holes which open at the corresponding end of the first and second headers.

19. (New) A method of manufacturing according to claim 18, wherein the steps of arranging the first tubes and the second tubes comprises:

setting a pitch between adjacent tubes using a positioning arranging member;

restricting the longitudinal ends of the plurality of tubes using a restricting member; and

securing a space between the respective tubes of the first and second headers.